L Number	Hits	Search Text	DB	Time stamp
7	0	synchronous adj transaction and transaction adj system and recover\$4 and	USPAT; EPO; JPO;	2003/05/07 12:44
8	8	share\$4 adj nothing synchronous and transaction and system and recover\$4 and share\$4 adj nothing	IBM_TDB USPAT; EPO; JPO; IBM TDB	2003/05/07 12:45
10	4	synchronous and transaction and system and recover\$4 and share\$4 adj nothing and distributed and failure	USPAT; EPO; JPO; IBM TDB	2003/05/07 12:45
11	4	synchronous and transaction and system and recover\$4 and share\$4 adj nothing and	USPĀT; EPO; JPO;	2003/05/07 12:46
9	5	distributed and failure and recover\$4 synchronous and transaction and system and recover\$4 and share\$4 adj nothing and	IBM_TDB USPAT; EPO; JPO;	2003/05/07 13:17
12	0	distributed transaciton and synchronous adj replicat\$4	IBM_TDB USPAT; EPO; JPO;	2003/05/07 13:17
13	13	transaction and synchronous adj replicat\$4	IBM_TDB USPAT; EPO; JPO;	2003/05/07 13:17
14	12	transaction and synchronous adj replicat\$4 not "international business".as.	IBM_TDB USPAT; EPO; JPO;	2003/05/07
15	4	transaction and synchronous adj replicat\$4 not "international	IBM_TDB USPAT; EPO; JPO;	2003/05/07 13:18
16	4	business".as. and recover\$4' transaction and synchronous adj replicat\$4 not "international	IBM_TDB USPAT; EPO; JPO;	2003/05/07
17	2	business".as. and recover\$4 transaction and synchronous adj replicat\$4 not "international	IBM_TDB USPAT; EPO; JPO;	2003/05/07
18	3	business".as. and recover\$4 and failure transaction and synchronous adj replicat\$4 not "international	IBM_TDB USPAT; EPO; JPO;	2003/05/07 13:19
20	0	business".as. and recover\$4 and fail\$4 transaction and synchronous adj replicat\$4 not "international business".as. and recover\$4 and fail\$4	IBM_TDB USPAT; EPO; JPO; IBM_TDB	2003/05/07 13:19
19	3	and distributed and shar\$4 adj nothing transaction and synchronous adj replicat\$4 not "international business".as. and recover\$4 and fail\$4	USPAT; EPO; JPO; IBM TDB	2003/05/07
21	5	and distributed synchronous adj replicat\$4 not "international business".as. and	USPAT; EPO; JPO;	2003/05/07 13:26
22	153	recover\$4 and fail\$4 and distributed shared adj nothing	IBM_TDB USPAT; EPO; JPO;	2003/05/07 13:26
23	1	shared adj nothing and synchronous with (replication recover\$4)	IBM_TDB USPAT; EPO; JPO; IBM TDB	2003/05/07 13:29
24	4	shared adj nothing and synchronous and distributed and recover\$4 and fail\$4	USPAT; EPO; JPO; IBM TDB	2003/05/07 13:32
25	7	shared adj nothing and synchronous and recover\$4 and fail\$4	USPAT; EPO; JPO; IBM TDB	2003/05/07 13:34
26	645797	synchronous and transaction (recover\$4 replicat\$4 updat\$4)	USPAT; EPO; JPO; IBM TDB	2003/05/07 13:35
27	938	synchronous and transaction with (recover\$4 replicat\$4 updat\$4)	USPĀT; EPO; JPO;	2003/05/07 13:35
28	2	synchronous and transaction with (recover\$4 replicat\$4 updat\$4) and shared adj nothing	IBM_TDB USPAT; EPO; JPO; IBM_TDB	2003/05/07 13:36

-	18	4665520.pn. 5140689.pn. 5319773.pn.	USPAT;	2002/11/18
		5319774.pn. 5434994.pn. 5748958.pn.	EPO; JPO	10:36
		5805786.pn. 5884327.pn. 5920863.pn.		
	1.0	5926619.pn.	HCDrm.	2002/04/22
-	16	4665520.pn. 5140689.pn. 5319773.pn. 5319774.pn. 5434994.pn. 5748958.pn.	USPAT; EPO; JPO	14:32
		5805786.pn. 5884327.pn. 5920863.pn.	EPO, UPO	14.52
		5926619.pn. and shared adj nothing		
_	l ol	(4665520.pn. 5140689.pn. 5319773.pn.	USPAT;	2002/04/22
_		5319774.pn. 5434994.pn. 5748958.pn.	EPO; JPO	14:10
		5805786.pn. 5884327.pn. 5920863.pn.		
		5926619.pn.) and shared adj nothing		0000/04/00
-	16	4665520.pn. 5140689.pn. 5319773.pn.	USPAT;	2002/04/22
		5319774.pn. 5434994.pn. 5748958.pn. 5805786.pn. 5884327.pn. 5920863.pn.	EPO; JPO	14:43
		5926619.pn. and roll\$ adj back and		
		re\$post\$		
-	0	(4665520.pn. 5140689.pn. 5319773.pn.	USPAT;	2002/04/22
		5319774.pn. 5434994.pn. 5748958.pn.	EPO; JPO	14:37
		5805786.pn. 5884327.pn. 5920863.pn.		
		5926619.pn.) and roll\$ adj back and		
1_	2	re\$post\$ recover\$ near fail\$ and shared near	USPAT;	2002/04/22
		distribu\$ and detect\$ and recover\$ and	EPO; JPO	14:59
		roll\$back		
-	0	recover\$ near fail\$ and shared near	USPAT;	2002/04/22
		distribu\$ and detect\$ and recover\$ and	EPO; JPO	14:55
		roll\$back and re\$posting		0000 (04 (00
	0	(without adj no) near roll\$back and re\$post	USPAT; EPO; JPO	2002/04/22
1_	0	respost   (without no) near roll\$back and re\$post	USPAT;	2002/04/22
-	ľ	(Without no) hear follyback and reppose	EPO; JPO	14:58
-	1	shared adj nothing adj distributed	USPAT;	2002/04/22
			EPO; JPO	15:41
-	1	shar\$ adj nothing adj distrib\$	USPAT;	2002/04/22
		. h d	EPO; JPO	16:00
-	8.	shar\$ near nothing near distrib\$	USPAT; EPO; JPO	2002/04/22 15:45
_	133	shar\$ adj nothing	USPAT;	2002/04/22
		Sinary and modified	EPO; JPO	16:00
-	22	shar\$ adj nothing and detect and fail\$	USPAT;	2003/05/07
		and recover\$ and distribut\$	EPO; JPO	11:07
-	1	640412.pn.	USPAT;	2002/04/30
_	0	8640412.pn.	EPO; JPO USPAT;	14:43
1		0010112.pii.	EPO; JPO	14:44
-	0	8640412.pn.	USPAT;	2002/04/30
			US-PGPUB;	14:44
			EPO; JPO	
-	1	640412.pn.	USPAT;	2002/04/30
			US-PGPUB; EPO; JPO	14:44
_	129	   shared adj nothing	USPAT;	2002/11/18
			EPO; JPO	11:42
-	110	shared adj nothing and distribut\$4	USPAT;	2002/11/18
			EPO; JPO	10:37
-	29	shared adj nothing and distribut\$4 and	USPAT;	2002/11/18
1_	0	recover\$4 same fail\$4 shared adj nothing and distribut\$4 and	EPO; JPO USPAT;	10:39 2002/11/18
=		automatic\$4 same recover\$4 same fail\$4	EPO; JPO	10:38
-	23		USPAT;	2002/11/18
		recover\$4 same fail\$4 and automatic\$5	EPO; JPO	10:39
-	8	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	10:47
1_	3	automatic\$5 707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
	3	distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	14:42
	1	automatic\$5 and detect\$4 same failure		
-	3	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/20
	1	distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	13:04
	L.,	automatic\$5 and detect\$4 same fail\$4	<u> </u>	

		_	_	
-	2	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
	_	distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	12:13
		automatic\$5 and detect\$4 same fail\$4 and	,	
		transaction same execut\$4		
	o	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
_	0	707/3.CCIS. and shared adj nothing and	EPO; JPO	10:57
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	10:57
1		automatic\$5 and detect\$4 same fail\$4 and		
	1	transaction same execut\$4 and roll\$4 same		
		back		
_	0	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	10:58
		automatic\$5 and detect\$4 same fail\$4 and		
		transaction same execut\$4 and roll\$4		·
_	0	707/\$.ccls. and shared adj nothing and	USPAT;	2002/11/18
	,	distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	10:58
1		automatic\$5 and detect\$4 same fail\$4 and	210, 010	20,00
		transaction same execut\$4 and roll\$6		
	2	,	USPAT;	2002/11/18
-	2	707/\$.ccls. and shared adj nothing and		
		distribut\$4 and recover\$4 same fail\$4 and	EPO; JPO	11:15
		automatic\$5 and detect\$4 same fail\$4 and		
		transact\$4 same execut\$4		
-	1	shared adj nothing and distribut\$4 and	USPAT;	2002/11/18
		recover\$4 same fail\$4 and automatic\$5 and	EPO; JPO	11:25
		detect\$4 same fail\$4 and transact\$4 same		
		execut\$4 and automatic\$4 same recover\$4		
_	85	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
	33	automatic\$4 same execut\$ same completion	EPO; JPO	11:26
_	0	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
1 -	i		EPO; JPO	11:41
		automatic\$4 same execut\$ same completion	EFO; UFO	1 + 1 - 3 +
	_	and share\$4 adj nothing and distributed	a.n.n.m	2002/11/10
-	0	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
		automatic\$4 same execut\$ same completion	EPO; JPO	11:27
		and shared adj nothing and distributed		
-	0	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
		automatic\$4 same execut\$ same completion	EPO; JPO	11:27
		and shared adj nothing		
-	0	shared adj nothing and automatic\$4 same	USPAT;	2002/11/18
		recover\$4 and automatic same execut\$4	EPO; JPO	11:37
-	2	shared adj nothing and automatic\$4 same	USPAT;	2002/11/18
	_	recover\$4	EPO; JPO	11:37
_	0	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
		automatic\$4 same execut\$ same completion	EPO; JPO	11:41
			150, UFO	
		and share\$4 adj nothing	IICDAM:	2002/11/10
-	65	shared adj nothing and automatic\$4	USPAT;	2002/11/18
	]		EPO; JPO	11:42
-	0	shared adj nothing and automatic\$4 near4	USPAT;	2002/11/18
1		recover\$4	EPO; JPO	11:42
-	0	shared adj nothing and automatic\$4 near4	USPAT;	2002/11/18
	1	execut\$4 and automatic\$4 same recover\$4	EPO; JPO	11:53
<del> </del> -				2002/11/18
	9	shared adj nothing and automatic\$4 near4	USPAT;	2002/11/10
	9	1		13:02
		execut\$4	EPO; JPO	13:02
1 -	9 14328		EPO; JPO USPAT;	13:02 2002/11/18
	14328	execut\$4 automatic\$4 same recover\$4	EPO; JPO USPAT; EPO; JPO	13:02 2002/11/18 12:13
-		execut\$4 automatic\$4 same recover\$4 automatic\$4 same recover\$4 and	EPO; JPO USPAT; EPO; JPO USPAT;	13:02 2002/11/18 12:13 2002/11/18
_	14328 1578	execut\$4 automatic\$4 same recover\$4 automatic\$4 same recover\$4 and automatic\$4 same execut\$4	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO	13:02 2002/11/18 12:13 2002/11/18 12:15
-	14328	execut\$4 automatic\$4 same recover\$4 automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT;	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18
-	14328 1578	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and shared adj	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO	13:02 2002/11/18 12:13 2002/11/18 12:15
-  -	14328 1578 0	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and shared adj nothing	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18 12:16
-	14328 1578	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and shared adj nothing automatic\$4 same recover\$4 and	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT;	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18
-	14328 1578 0	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and shared adj nothing	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18 12:16
-	14328 1578 0	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and shared adj nothing automatic\$4 same recover\$4 and	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT;	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18 12:16
-	14328 1578 0 347	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and shared adj nothing automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and transaction automatic\$4 same recover\$4 and	EPO; JPO USPAT;	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18 12:16 2002/11/18 12:16
- - -	14328 1578 0 347	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and shared adj nothing automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and transaction automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and transaction automatic\$4 same execut\$4 and transaction	EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18 12:16 2002/11/18 12:16 2002/11/18
-	14328 1578 0 347	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and shared adj nothing automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and transaction automatic\$4 same execut\$4 and automatic\$4 same execut\$4 and automatic\$4 same execut\$4 and	EPO; JPO USPAT; EPO; JPO	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18 12:16 2002/11/18 12:16 2002/11/18 12:16 2002/11/18
	14328 1578 0 347	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and shared adj nothing automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and transaction automatic\$4 same execut\$4 and transaction automatic\$4 same execut\$4 and transaction and re\$post\$4 automatic\$4 same recover\$4 and	EPO; JPO USPAT; EPO; JPO	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18 12:16 2002/11/18 12:16 2002/11/18 12:17 2002/11/18
-	14328 1578 0 347 0	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and shared adj nothing automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and transaction automatic\$4 same execut\$4 and transaction automatic\$4 same execut\$4 and transaction and re\$post\$4 automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and re\$post\$4	EPO; JPO USPAT; EPO; JPO	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18 12:16 2002/11/18 12:16 2002/11/18 12:17 2002/11/18 12:17
-	14328 1578 0 347	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and shared adj nothing automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and transaction automatic\$4 same execut\$4 and transaction automatic\$4 same execut\$4 and transaction and re\$post\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and	EPO; JPO USPAT;	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18 12:16 2002/11/18 12:16 2002/11/18 12:17 2002/11/18 12:17 2002/11/18
-	14328 1578 0 347 0	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and shared adj nothing automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and transaction and re\$post\$4 automatic\$4 same execut\$4 and re\$post\$4 automatic\$4 same execut\$4 and	EPO; JPO USPAT; EPO; JPO	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18 12:16 2002/11/18 12:16 2002/11/18 12:17 2002/11/18 12:17
	14328 1578 0 347 0	execut\$4 automatic\$4 same recover\$4  automatic\$4 same recover\$4 and automatic\$4 same execut\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and shared adj nothing automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same execut\$4 and transaction automatic\$4 same execut\$4 and transaction automatic\$4 same execut\$4 and transaction and re\$post\$4 automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and automatic\$4 same recover\$4 and	EPO; JPO USPAT;	13:02 2002/11/18 12:13 2002/11/18 12:15 2002/11/18 12:16 2002/11/18 12:16 2002/11/18 12:17 2002/11/18 12:17 2002/11/18

-	38	automatic\$4 same recover\$4 and	USPAT;	2002/11/18
		automatic\$4 same execut\$4 and	EPO; JPO	12:20
		transaction and failure near recovery		
-	8	707/\$.ccls. and automatic\$4 same	USPAT;	2002/11/18
		recover\$4 and automatic\$4 same execut\$4	EPO; JPO	12:37
		and transaction and failure near		
		recovery		
-	182	transaction near recovery	USPAT;	2002/11/18
			EPO; JPO	12:29
- '	9537	transaction near recovery nad automatic\$4	USPAT;	2002/11/18
		near4 recover\$4	EPO; JPO	12:30
-	182	transaction near recovery andautomatic\$4	USPAT;	2002/11/18
		near4 recover\$4	EPO; JPO	12:30
-	13	transaction near recovery and automatic\$4	USPAT;	2002/11/18
	] .	near4 recover\$4	EPO; JPO	12:30
_	1	transaction near recovery and automatic\$4	USPAT;	2002/11/18
		near4 recover\$4 and automatic near4	EPO; JPO	12:31
		execut\$4		
-	2	transaction near recovery and automatic\$4	USPAT;	2002/11/18
		near4 recover\$4 and automatic\$4 near4	EPO; JPO	12:31
	1	execut\$4	110777	2000 (11 (10
-	1893	transaction same recovery	USPAT;	2002/11/18
			EPO; JPO	12:37
-	168	transaction same recovery and automatic\$4	USPAT;	2002/11/18
		near4 recover\$4	EPO; JPO	12:38
-	22	transaction same recovery and automatic\$4	USPAT;	2002/11/18
		near4 recover\$4 and automatic\$4 near4	EPO; JPO	12:39
1		execut\$4	TIGDIE.	2002/11/10
-	0	transaction same recovery and automatic\$4	USPAT;	2002/11/18
Ì		near4 recover\$4 and automatic\$4 near4	EPO; JPO	12:39
	1	execut\$4 and re\$post\$4	HCDAM.	2002/11/19
-	4	707/\$.ccls. and transaction same recovery and automatic\$4 near4 recover\$4 and	USPAT; EPO; JPO	2002/11/18
	1	and automatic\$4 hear4 recover\$4 and automatic\$4 hear4 execut\$4	EPO; JPO	13:51
_	4	707/\$.ccls. and transaction same recovery	HCDAT.	2002/11/18
	4	and automatic\$4 near4 recover\$4 and	USPAT; EPO; JPO	12:41
	4	automatic\$4 near4 execut\$4 and failure	EPO, JPO	12:41
		near4 recovery		
_	616995	shared adj nothing and auto\$9near4	USPAT;	2002/11/18
	010555	execut\$4	EPO; JPO	13:00
_	0	shared adj nothing and automatic\$4 near4	USPAT;	2002/11/18
		execut\$4 and auto\$ near4 recover\$3	EPO; JPO	13:06
_	9		USPAT;	2002/11/18
	1	execut\$4	EPO; JPO	13:09
-	84	i e e e e e e e e e e e e e e e e e e e	USPAT;	2002/11/18
			EPO; JPO	14:33
-	6	shared adj nothing and transaction near	USPAT;	2002/11/18
	1	recovery	EPO; JPO	13:10
-	1	shared adj nothing and transaction near	USPAT;	2002/11/18
		recovery and automatic	EPO; JPO	13:10
-	4	shared adj nothing and transaction near	USPAT;	2002/11/18
	1	recovery and automatic\$4	EPO; JPO	13:11
-	0	shared adj nothing and transaction near4	USPAT;	2002/11/18
		recover\$3 and automatic\$4 near recover\$4	EPO; JPO	13:11
-	7	shared adj nothing and transaction near4	USPAT;	2002/11/18
		recover\$3 and automatic\$4 and execut\$4	EPO; JPO	13:12
-	8	shared adj nothing and transaction and	USPAT;	2002/11/18
		automat\$7 near4 execut\$4	EPO; JPO	13:52
-	0	shared adj nothing and transaction and	USPAT;	2002/11/18
		automat\$7 near4 execut\$4 and automatic\$4	EPO; JPO	13:40
		near4 recover\$4		
-	0	shared adj nothing and transaction and	USPAT;	2002/11/18
		automat\$7 near4 recover\$4	EPO; JPO	13:40
-	0	shared adj nothing and automat\$7 near4	USPAT;	2002/11/18
		recover\$4	EPO; JPO	13:40
-	110	automatic\$4 near recover\$4 and	USPAT;	2002/11/18
		distributed and transaction	EPO; JPO	13:53
-	60	automatic\$4 near recover\$4 and	USPAT;	2002/11/18
1	00			
		distributed and transaction and failure near4 recovery	EPO; JPO	13:53

0   automatics4 near recovers4 and distributed and transaction and failure near faceovery and shared near nothing   1354   13554   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   13654   1					
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-			near4 recovery and shared near nothing		
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2   shared adj nothing.ti. and recovery   SPAR;   2002/11/18   near4 failure   Shared adj nothing.ti. and recover\$4   SPAR;   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11/18   2002/11		-	•••••• and ••••••		1
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134   recovery near4 failure.ti.   SPPO: JPPO   14:24   SUSPAT:   14:24   SUSPAT:   16:24   SUSPAT:   16:24   SUSPAT:   16:24   SUSPAT:   16:24   SUSPAT:   16:24   SUSPAT:   16:24   SUSPAT:   16:26   SUSPAT:   16:27   SUSPAT:				· · · - ·	
134   recovery near4 failure.ti.   USPAT;   2002/11/18   1   recovery near4 failure.ti.   and shared adj   USPAT;   2002/11/18   2   2   shared adj   nothing and transaction and detects4 hear4 failure and recover same failure and roll\$back   1   2   2   shared adj nothing and transaction and detects4 hear4 failure and recover same failure and roll\$back   1   2   2   shared adj nothing and failure same   1   2   2   2   2   2   2   2   2   2	-	0	7recovery near4 failure.ti.	USPAT;	2002/11/18
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nothing   shared adj nothing and transaction and detect34 near4 failure   shared adj nothing and transaction and detect34 near4 failure and recover same failure   shared adj nothing and transaction and detect34 near4 failure and recover same failure and roll\$back   shared adj nothing and transaction and detect34 near4 failure and recover same failure and roll\$back   Shared adj nothing and failure same   SPO; JPO	_	1	recovery near4 failure.ti. and shared adi	USPAT;	2002/11/18
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detect\$4 nearf failure	1	12		· ·	
S shared adj nothing and transaction and detect\$4 near4 failure and recover same failure and roll\$back shared adj nothing and transaction and detect\$4 near4 failure and recover same failure and roll\$back shared adj nothing and failure same recovery shared adj nothing and failure same recovery and failure same detect and distributed same transaction same system and recover\$4 same failure and detect\$4 same failure and detect\$4 and recover\$4 same failure and distributed same transaction same system and recover\$4 same failure and rensaction same system and recover\$4 same failure and recover\$4 same failure and rensaction same system and recover\$4 same failure and		12		· ·	1
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failure   shared adj nothing and transaction and detect\$4 nearf failure and recover same   failure and roll\$back   Shared adj nothing   SPAT;   SPAT;   SPO; JPO   11:25   Shared adj nothing   SPAT;   SPO; JPO   SPO; JPO   Shared adj nothing and failure same   SPO; JPO   SPO; JPO   Shared adj nothing and failure same   SPO; JPO	_	5			1
2   shared adj nothing and transaction and detect\$4 hear4 failure and recover same failure same failure same failure same failure same failure same failure same detect and distributed adj system shared adj nothing and failure same system same failure same system same failure same system same failure same failure same failure same failure same failure same failure same system same failure same system same failure same failur			,	EPO; JPO	14:20
detect\$4 near4 failure and recover same failure and roll\$back		_			
failure and rollsback   Shared adj nothing   Shared adj nothing and failure same   SPO; JPO   14:33   2002/11/18   recovery   Shared adj nothing and failure same   USPAT; 2002/11/18   recovery   Shared adj nothing and failure same   USPAT; 2002/11/18   recovery and failure same detect and distributed same transaction   Shared adj nothing and failure same   USPAT; 2002/11/18   recovery and failure same detect and distributed adj system   recovery and failure same detect and distributed adj system   Shared adj nothing and failure same   USPAT; 2002/11/18   recovery and failure same detect   SPO; JPO   14:34   14:34   recovery and failure same detect   SPO; JPO   14:37   recovery and failure same detect and recovers   Shared adj nothing and distributed and recovers   Shared adj nothing and distributed   SPAT; 2002/11/18   Shared adj nothing and distributed   SPAT; 2002/11/18   Shared adj nothing and distributed   SPAT; 2002/11/18   Shared same failure and transaction   Shared adj nothing and distributed   SPAT; 2002/11/18   Shared same nothing same distributed   SPAT; 2002/11/18   Shared same nothing same distributed   SPAT; 2002/11/18   Shared same nothing same distributed   SPAT; 2002/11/18   SPAT; 2002/11/18   Shared same nothing same distributed   SPAT; 2002/11/18   SPAT; 2002/11/1	-	2			1 ' ' 1
129   shared adj nothing			1	EPO; JPO	11:25
129   shared adj nothing					
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21		1		1	14:33
recovery   shared adj nothing and failure same   recovery and failure same   transaction   recovery and failure same   transaction   transac	· _	21	shared add nothing and failure same		
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- 3 shared same nothing same distributed same transaction same system and recover\$4 same failure and detect\$4  - 3 shared same nothing same distributed same transaction same system and recover\$4 same failure and detect\$4 same failure detect\$4 near fail\$4.ti.  - 1431 detect\$4 near fail\$4.ti.  - 2 707/\$.ccls. and detect\$4 near fail\$4.ti.  - 0 recover\$4 same fali\$4.ti.  - 1431 detect\$4 near fail\$4.ti.  - 2 707/\$.ccls. and detect\$4 near fail\$4.ti.  - 3 Shared same nothing same distributed same transaction same system and recover\$4 same failure transaction same syst				EFO, UPO	10.17
transaction same system and recover\$4 same failure and detect\$4 shared same nothing same distributed same transaction same system and recover\$4 same failure and detect\$4 same failure detect\$4 near fail\$4.ti.  2 707/\$.ccls. and detect\$4 near fail\$4.ti.  2 707/\$.ccls. and detect\$4 near fail\$4.ti.  2 707/\$.ccls. and detect\$4 near fail\$4.ti.  3 EPO; JPO 15:17 EPO; JPO 15:17 EPO; JPO 15:17  USPAT; 2002/11/20 EPO; JPO 10:42 USPAT; 2002/11/20 EPO; JPO 10:40 USPAT; 2002/11/20		_		IICDAM.	2002/11/10
same failure and detect\$4  shared same nothing same distributed same transaction same system and recover\$4  same failure and detect\$4 same failure detect\$4 near fail\$4.ti.  2 707/\$.ccls. and detect\$4 near fail\$4.ti.  2 707/\$.ccls. and detect\$4 near fail\$4.ti.  3 USPAT; 2002/11/20 EPO; JPO 10:42 USPAT; 2002/11/20 EPO; JPO 10:40 USPAT; 2002/11/20 EPO; JPO 10:40 USPAT; 2002/11/20	-	3		1	
- 3 shared same nothing same distributed same transaction same system and recover\$4 same failure and detect\$4 same failure detect\$4 near fail\$4.ti.  - 1431 detect\$4 near fail\$4.ti.  - 2 707/\$.ccls. and detect\$4 near fail\$4.ti.  - 0 recover\$4 same fali\$4.ti.  USPAT; 2002/11/20 EPO; JPO 10:42 USPAT; 2002/11/20 EPO; JPO 10:40 USPAT; 2002/11/20				EPO; JPO	15:17
transaction same system and recover\$4 same failure and detect\$4 same failure detect\$4 near fail\$4.ti.  2 707/\$.ccls. and detect\$4 near fail\$4.ti.  0 recover\$4 same fali\$4.ti.  EPO; JPO 15:17  USPAT; 2002/11/20 EPO; JPO 10:42 USPAT; 2002/11/20 EPO; JPO 10:40 USPAT; 2002/11/20					
same failure and detect\$4 same failure   USPAT;   2002/11/20   EPO; JPO   10:42   USPAT;   2002/11/20   EPO; JPO   10:42   USPAT;   2002/11/20   EPO; JPO   10:40   EPO; JPO   10:40   USPAT;   2002/11/20   EPO; JPO   USPAT;   EPO; JPO   USP	-	] 3	1	1	l
- 1431 detect\$4 near fail\$4.ti. USPAT; 2002/11/20 EPO; JPO 10:42 USPAT; 2002/11/20 USPAT; 2002/11/20 EPO; JPO 10:40 USPAT; 2002/11/20 PO 10:40 USPAT; 2002/11/20			transaction same system and recover\$4	EPO; JPO	15:17
- 1431 detect\$4 near fail\$4.ti. USPAT; 2002/11/20 EPO; JPO 10:42 USPAT; 2002/11/20 USPAT; 2002/11/20 EPO; JPO 10:40 USPAT; 2002/11/20 PO 10:40 USPAT; 2002/11/20			same failure and detect\$4 same failure	i	.
EPO; JPO 10:42 USPAT; 2002/11/20 EPO; JPO 10:40 USPAT; EPO; JPO 10:40 USPAT; 2002/11/20 USPAT; 2002/11/20	-	1431		USPAT;	2002/11/20
- 2 707/\$.ccls. and detect\$4 near fail\$4.ti. USPAT; 2002/11/20 EPO; JPO 10:40 USPAT; 2002/11/20 USPAT; 2002/11/20					·
EPO; JPO 10:40 USPAT; 2002/11/20	-	2	707/S.ccls. and detect\$4 near fail\$4.ti.		l
- 0 recover\$4 same fali\$4.ti. USPAT; 2002/11/20		"	, product and according to the first to t		l ' ' '
	1_	_	recover\$4 same fali\$4 ti		
		l "	Tecovery; same rarrys.cr.		
EPO; JPO 10:42		100	regevered game failed ti		I I
- 180 recover\$4 same fail\$4.ti. USPAT; 2002/11/20	-	180	recovers4 same Iall\$4.tl.		
EPO; JPO 10:43				EPO; JPO	10:43

			_	
_	1	recover\$4 same fail\$4.ti. and shared adj	USPAT;	2002/11/20
_	3	nothing recover\$4 same fail\$4.ab. and shared adj	EPO; JPO USPAT;	10:44 2002/11/20
		nothing	EPO; JPO	11:46
-	2	shared adj nothing and transaction and	USPAT;	2002/11/20
		detect\$4 near4 failure and recover same	EPO; JPO	11:26
		failure and roll\$back and event same recover		
_	0	recover\$4 same fail\$4.ab. and shared adj	USPAT;	2002/11/20
		nothing and means adj for same detect\$4	EPO; JPO	11:48
		and means adj for same recover\$4	, ,	
-	0	recover\$4 same fail\$4.ab. and shared adj	USPAT; .	2002/11/20
		nothing and means same detect\$4 and means	EPO; JPO	11:48
	3	same recover\$4   5926619.pn. 5748958.pn. 5805786.pn.	USPAT;	2002/11/20
-	3	3920019.pm. 3740930.pm. 3003700.pm.	EPO; JPO	13:04
_	0	(5926619.pn. 5748958.pn. 5805786.pn.) and	USPAT;	2002/11/20
		shared adj nothing	EPO; JPO	13:05
-	0	(5926619.pn. 5748958.pn. 5805786.pn.) and	USPAT;	2002/11/20
		coordinat\$4 and surviv\$4	EPO; JPO	13:05
-	0	(5926619.pn. 5748958.pn. 5805786.pn.) and surviv\$4 and coordinat\$	USPAT; EPO; JPO	2002/11/20 13:05
_	2	(5926619.pn. 5748958.pn. 5805786.pn.)	USPAT;	2002/11/20
		and surviv\$4	EPO; JPO	13:05
-	164	synchronous with transaction with system	USPAT;	2003/05/07
			EPO; JPO;	11:05
	_		IBM_TDB	2002/05/07
-	6	synchronous with transaction with system	USPAT; EPO; JPO;	2003/05/07
		and failure with recovery	IBM TDB	11.00
_	0	synchronous with transaction with system	USPAT;	2003/05/07
		and failure with recovery and shared adj	EPO; JPO;	11:06
		nothig	IBM_TDB	
-	0	synchronous with transaction with system	USPAT;	2003/05/07
		and failure with recovery and shar\$4 adj	EPO; JPO; IBM TDB	11:06
_	0	synchronous with transaction with system	USPAT;	2003/05/07
		and failure with recovery and shar\$4 with	EPO; JPO;	11:07
		nothig	IBM_TDB	0000 /05 /05
-	0	synchronous with transaction with system and failure with recovery and shar\$4 adj	USPAT; EPO; JPO;	2003/05/07 11:09
		nothing	IBM TDB	11.09
_	2	1	USPAT;	2003/05/07
		and failure with recovery and shar\$4 adj	EPO; JPO;	11:19
	_	nothing	IBM TDB	2002/05/27
-	2	synchronous and transaction with system and failure with recovery and shar\$4 adj	USPAT; EPO; JPO;	2003/05/07 11:15
		nothing and distributed	IBM TDB	11.10
-	. 0	synchronous adj transaction adj system	USPAT;	2003/05/07
		and failure with recovery and shar\$4 adj	EPO; JPO;	11:19
	_	nothing	IBM_TDB	2002/05/07
-	2	synchronous adj transaction adj system	USPAT; EPO; JPO;	2003/05/07 11:21
			IBM TDB	
	12	synchronous adj transaction and	USPAT;	2003/05/07
		transaction adj system.	EPO; JPO;	11:21
_	10	synchronous add transaction and	IBM_TDB USPAT;	2003/05/07
_	10	synchronous adj transaction and   transaction adj system and recover\$4	EPO; JPO;	12:44
			IBM TDB	
-	2	1 •	USPĀT;	2003/05/07
1		transaction adj system and recover\$4 with	EPO; JPO;	11:21
_	0	failure   synchronous adj transaction and	IBM_TDB USPAT;	2003/05/07
_		transaction adj system and recover\$4 and	EPO; JPO;	11:24
		share\$4 adj nothing and distributed	IBM_TDB	
-	0	synchronous adj transaction and	USPĀT;	2003/05/07
1		transaction adj system and recover\$4 and	EPO; JPO;	11:25
	L	share\$4 adj nothing	IBM_TDB	

-	2 synchronous adj transaction and	USPAT;	2003/05/07
	transaction adj system and recover\$4 a	nd EPO; JPO;	11:25
	distributed	IBM TDB	